

(12) DEMANDE INTERNATIONALE PUBLIÉE EN VERTU DU TRAITÉ DE COOPÉRATION  
EN MATIÈRE DE BREVETS (PCT)

(19) Organisation Mondiale de la Propriété  
Intellectuelle  
Bureau international



(43) Date de la publication internationale  
21 mai 2004 (21.05.2004)

PCT

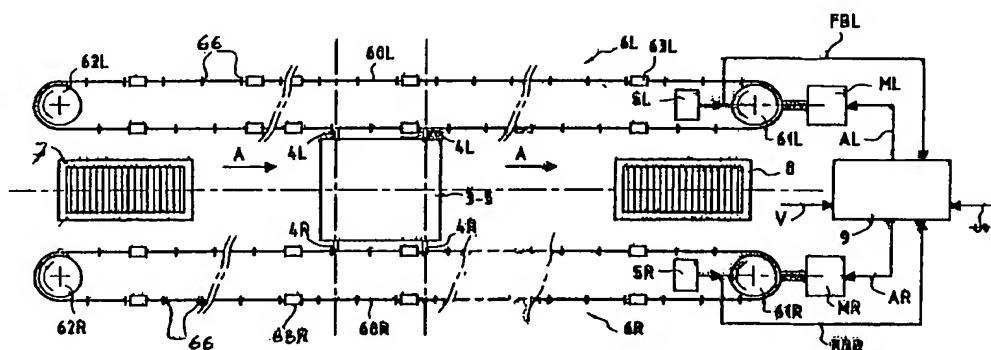
(10) Numéro de publication internationale  
**WO 2004/041628 A1**

- (51) Classification internationale des brevets<sup>7</sup> :  
**B62D 65/00, B65G 17/18, 49/04**
- (21) Numéro de la demande internationale :  
PCT/FR2003/000270
- (22) Date de dépôt international :  
28 janvier 2003 (28.01.2003)
- (25) Langue de dépôt : français
- (26) Langue de publication : français
- (30) Données relatives à la priorité :  
60/420,657 23 octobre 2002 (23.10.2002) US
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- (81) États désignés (national) : AE, AG, AL, AM, AT, AU, AZ,  
BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ,  
DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM,  
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,

[Suite sur la page suivante]

(54) Title: INSTALLATION FOR SEQUENTIALLY TRANSPORTING OBJECTS IN A GOODS HANDLING LINE, IN PARTICULAR FOR THE AUTOMOTIVE INDUSTRY

(54) Titre : INSTALLATION DE TRANSPORT D'OBJETS EN SERIE DANS UNE CHAÎNE DE MANUTENTION, EN PARTICULIER POUR L'INDUSTRIE AUTOMOBILE



(57) Abstract: In a preferred embodiment, the objects to be transported, in particular motor car body shells on sleds (3, 5) are carried suspended each by four independent pendular arms (4) with two symmetrical conveyors which travel through the installation under the control of synchronized drive means to pick up said objects in a loading station and transport them individually to an unloading station. In each conveyor, said pendular arms are secured to fixed positions distributed along a cable (60) which is driven by said drive means while being maintained tensioned on guide wheels (63) defining a predetermined conveying circuit. The loads suspended via the pendular arms are solely carried by said cable between said guide wheels, said cable thus constituting both tractive and carrier means for said objects. In practice, each conveyor comprises two parallel cables and the pendulums are secured hanging therebetween.

(57) Abrégé : Dans une réalisation préférée, les objets à transporter, notamment des caisses d'automobiles sur luges (3, 5), sont véhiculés suspendus chacun par quatre bras pendulaires indépendants (4) à deux convoyeurs symétriques qui parcourent l'installation sous la commande de moyens d'entraînement synchronisés pour prendre en charge lesdits objets dans un poste de chargement et les transporter individuellement jusqu'à un poste de déchargement. Dans chaque convoyeur, lesdits bras pendulaires sont accrochés en des positions fixes réparties le long d'un câble (60) qui est mû par

[Suite sur la page suivante]

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LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

brevet OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Publiée :

— avec rapport de recherche internationale

(84) États désignés (*régional*) : brevet ARIPO (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), brevet eurasien (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), brevet européen (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR),

*En ce qui concerne les codes à deux lettres et autres abréviations, se référer aux "Notes explicatives relatives aux codes et abréviations" figurant au début de chaque numéro ordinaire de la Gazette du PCT.*

lesdits moyens d'entraînement tandis qu'il est maintenu tendu sur des roues de guidage (63) définissant un circuit de convoyage prédéterminé. Les charges suspendues par l'intermédiaire des bras pendulaires sont -exclusivement portées par ledit câble entre lesdites roues de guidage, ledit câble constituant ainsi des moyens à la fois tracteurs et porteurs pour lesdits objets. En pratique, chaque convoyeur comporte deux câbles parallèles et les pendules sont accrochés pendants entre eux.

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/03/00270

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B62D65/00 B65G17/18 B65G49/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B62D B65G B61B B07B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	FR 2 756 815 A (SIETAM IND) 12 June 1998 (1998-06-12) figures 1A, 1B, 1C, 2A, 2B, page 7, last paragraph -page 12, paragraph 1	1
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Y	WO 00 78594 A (WAGNER WOLFGANG ; HELMUT LEHMER GMBH (DE); WERNER MARC OLIVER (DE)) 28 December 2000 (2000-12-28) figure 2 page 5, last paragraph -page 6, paragraph 1 page 8, paragraph 3	1

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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

24 June 2003

Date of mailing of the international search report

01/07/2003

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/03/00270

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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Information on patent family members

International Application No

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